

# Zhi Li

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CONTACT INFORMATION	School of Computer Science and Technology Hangzhou Dianzi University Hangzhou 310018 China	Phone: (+86) 187-6713-5921 E-mail: zhili.pro@gmail.com Homepage: <a href="http://zhili42.com">http://zhili42.com</a>
RESEARCH INTERESTS	Mobile and Sensor Networks, Mobile Crowdsourcing, Machine Learning and Game Theory	
SKILLS	<b>Basic:</b> Algorithm design and analysis, System building <b>Programming:</b> Java, Android, Python, NesC, TinyOS <b>Language:</b> Chinese (Native), English (TOEFL: R27 + L27 + S19 + W23 = 96)	
HONORS AND AWARDS	Outstanding Graduate Student in Zhejiang Province Outstanding Graduate Student in Hangzhou Dianzi University National Scholarship for Graduate Student (11/304) Nokia Scholarship for Graduate Student (2/147) National Scholarship for Graduate Student (10/283) The First Prize Academic Scholarship in Hangzhou Dianzi University (top 10%)	2017 2017 2016 2015 2015 2015 - 2016
PUBLICATIONS	<b>Conference Papers</b> <ol style="list-style-type: none"><li>Jianhui Zhang, Pengqian Lu, <b>Zhi Li</b>, Jiayu Gan. “*”. Submitted to <i>IEEE INFOCOM’18</i>, under review.</li><li><b>Zhi Li</b>, Jianhui Zhang, Jiayu Gan, Pengqian Lu, Fei Lin. “Large-Scale Trip Planning for Bike-Sharing System”. In <i>IEEE MASS</i>, Short paper, Orlando, FL, USA. Oct 22 - 25, 2017.</li><li>Jianhui Zhang, <b>Zhi Li</b>, Xiaojun Lin, Feilong Jiang. “Composite Task Selection with Heterogeneous Crowdsourcing”. In <i>IEEE SECON</i>, San Diego, CA, USA. Jun 12 - 14, 2017.</li><li>Jianhui Zhang, Mengmeng Wang, <b>Zhi Li</b>. “Stochastic Duty Cycling for Heterogeneous Energy Harvesting Networks”. In <i>IEEE IPCCC</i>, Nanjing, China. Dec 14 - 16, 2015.</li></ol> <b>Journal Articles</b> <ol style="list-style-type: none"><li>Wei Li, Jianhui Zhang, Feilong Jiang, <b>Zhi Li</b>, Chong Xu. “Asynchronous Neighbor Discovery with Unreliable Link in Wireless Mobile Networks”. Submitted to <i>Peer-to-Peer Networking and Applications</i>, under review.</li><li><b>Zhi Li</b>, Jianhui Zhang, Xingfa Shen, Jin Fan. “Prediction Based Indoor Fire Escaping Routing with Wireless Sensor Network”. <i>Peer-to-Peer Networking and Applications</i>, 10(3): 697 - 707. [<a href="#">Impact Factor: 1.0</a>]</li><li>Jianhui Zhang, <b>Zhi Li</b>, Shaojie Tang. “Value of Information Aware Opportunistic Duty Cycling in Solar Harvesting Sensor Networks”. <i>IEEE TII</i>, 12(1): 348 - 360, 2016. [<a href="#">Impact Factor: 4.708</a>]</li><li>Jianhui Zhang, <b>Zhi Li</b>, Feng Xia, Shaojie Tang, Xingfa Shen, Bei Zhao. “Cooperative Scheduling for Adaptive Duty Cycling in Asynchronous Sensor Networks”. <i>The Computer Journal</i>, 58(6): 1267 - 1279, 2014. [<a href="#">Impact Factor: 0.787</a>]</li></ol>	
PRESENTATION	<b>Stochastic Duty Cycling for Heterogeneous Energy Harvesting Networks</b> <ul style="list-style-type: none"><li>- Paper presented at the 34th IEEE International Performance Computing and Communications Conference (IPCCC), Nanjing, China. Dec 15 2015.</li></ul>	

RESEARCH PROJECTS	<b>Crowdsourcing Based Bike-Sharing System</b> , 2016 - present <ul style="list-style-type: none"> <li>- Designed two algorithms to solve the static trip planning problem, the paper is accepted by IEEE MASS'17.</li> <li>- Built a crowdsourcing platform to collect real-time bike resources information and to provide bike utilization guidance for users.</li> <li>- Built an application to crawl real-time open bike-sharing information of Hangzhou Public Bicycle.</li> </ul>	
	<b>Internet of Things Based Fire Escaping System</b> , 2014 - present <ul style="list-style-type: none"> <li>- Constructed a fire spread model based on fire data generated by Fire Dynamics Simulator and proposed a fire escaping route planning algorithm based on fire spread prediction. The paper is published in Peer-to-Peer Networking and Applications.</li> <li>- Designed a smartphone based crowd density detection approach and two crowd density detection algorithms based on Quorum System.</li> <li>- Built a fire escaping experiment platform with TelosB nodes.</li> <li>- Built a network with TelosB nodes, Android smartphones and Arduino suite.</li> </ul>	
PROFESSIONAL ACTIVITIES	Reviewer for IEEE Transactions on Industrial Informatics	2017
	Reviewer for The Computer Journal	2015
GRANTS	<ol style="list-style-type: none"> <li>1. <b>Excellent Master Dissertation Fostering Foundation</b>, Hangzhou Dianzi University, PI: Zhi Li, May 2016 - Mar 2017 Project title: "Internet of Things Based Fire Escaping System".</li> <li>2. <b>Graduate Scientific Research Foundation</b>, Hangzhou Dianzi University, PI: Zhi Li, May 2015 - May 2016 Project title: "Wireless Sensor Networks Based Fire Escaping System and Algorithm Design".</li> <li>3. <b>National Natural Science Foundation of China</b>, Participator, Jan 2015 - Dec 2018 Project title: "Research on Environment Information Collaborative Sensing and Processing in Internet of Things".</li> <li>4. <b>Zhejiang Provincial Natural Science Foundation of China</b>, Participator, Jan 2014 - Nov 2016 Project title: "Research on Optimizing Task Scheduling Strategy in Random Energy Harvesting Internet of Things".</li> </ol>	
EDUCATION	<b>Hangzhou Dianzi University</b> , Hangzhou, China <ul style="list-style-type: none"> <li>- M.S., Computer Science and Technology, Mar 2017</li> <li>- Thesis title: "IoT Based Fire Escaping Algorithm and System Design"</li> <li>- Advisor: Prof. <a href="#">Jianhui Zhang</a></li> </ul>	
	<b>Hangzhou Dianzi University</b> , Hangzhou, China <ul style="list-style-type: none"> <li>- B.E., Computer Science and Technology, Jun 2014</li> </ul>	
SERVICES	Teaching assistance for <i>JAVA Programming</i>	Sep 2015 - May 2016
	Class monitor	2014 - 2017
PERSONAL HOBBIES	Basketball, Badminton, Cycling, Chinese bamboo flute, Guitar.	